

Complete if Known

Application Number	10/039,799
Filing Date	January 4, 2002
First Named Inventor	J. Bruce Pitner, et al.
Art Unit	1619
Examiner Name	
Attorney Docket Number	P-5504

Sheet	1	of	2	Attorney Docket Number	P-5504
-------	---	----	---	------------------------	--------

[illegible][illegible]

4/13/04

¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449B/PTO			Complete if Known		
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)			Application Number	10/039,799	
			Filing Date	January 4, 2002	
			First Named Inventor	J. Bruce P. et al.	
			Group Art Unit	1619	
			Examiner Name		
Sheet	2	of	2	Attorney Docket Number	P-5504

RECEIVED
 APR 02 2003
 TECH CENTER 1650/2900

O I P E
 MAR 31 2003
 PATENT & TRADEMARK OFFICE

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	✓	JONES, MARK E. et al., "Bioremediation Monitoring Using Optical Fiber Long Period Grating (LPG)-Based Sensors", NSF Manufacturing Conference, Vancouver, January, 2000	
	✓	MOWBRAY, SHERRY L., et al., "Structure of the Periplasmic Glucose/Galactose Receptor of Salmonella typhimurium", Receptor, 1990, 1, 41-54	
	✓	VYAS, NAND K., et al., "Sugar and Signal-Transducer Binding Sites of the Escherichia coli Galactose Chemoreceptor Protein", Science, pp. 1290-1295, Vol. 242	
	✓	BHATIA, VIKRAM, et al., "Optical Fiber Long-Period Grating Sensors", Optics Letters, pp. 692-694, Vol. 21, No. 9, May 1, 1996	
	✓	BAIRD, CHERYL L., et al., "Current and Emerging Commercial Optical Biosensors", Journal of Molecular Recognition, pp. 261-268, 2001; 14, DOI: 10.1002/jmr.544	
	✓	TURCATTI, GERARDO, et al., "Probing the Structure and Function of the Tachykinin Neurokinin-2 Receptor through Biosynthetic Incorporation of Fluorescent Amino Acids at Specific Sites", The Journal of Biological Chemistry, pp. 19991-19998, Vol. 271, No. 33, Issue of August 16, 1996	
	✓	PISARCHICK, MARY LEE, et al., "Binding of a Monoclonal Antibody and Its Fab Fragment To Supported Phospholipid Monolayers Measured By Total Internal Reflection Fluorescence Microscopy", pp. 1235-1249, Biophysical Journal, Vol 58, November 1990	
	✓	GILARDI, GIANFRANCO, et al., "Engineering the Maltose Binding Protein for Reagentless Fluorescence Sensing", pp. 3840-3847, Analytical Chemistry, Vol. 66, No. 21, November 1, 1994	
	✓	TOPOGLIDIS, EMMANUEL, et al., "Protein Adsorption on Nanocrystalline TiO2 Films: An Immobilization Strategy for Bioanalytical Devices", pp. 5111-5113, Analytical Chemistry, Vol. 70, No. 23, December 1, 1998	
	✓	O'SULLIVAN, C.K., "Commercial Quartz Crystal Microbalances - Theory and Applications, pp. 663-670, Biosensors & Bioelectronics, 14 (1999)	

Examiner Signature	R. Teller	Date Considered	4/13/04
--------------------	-----------	-----------------	---------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.